

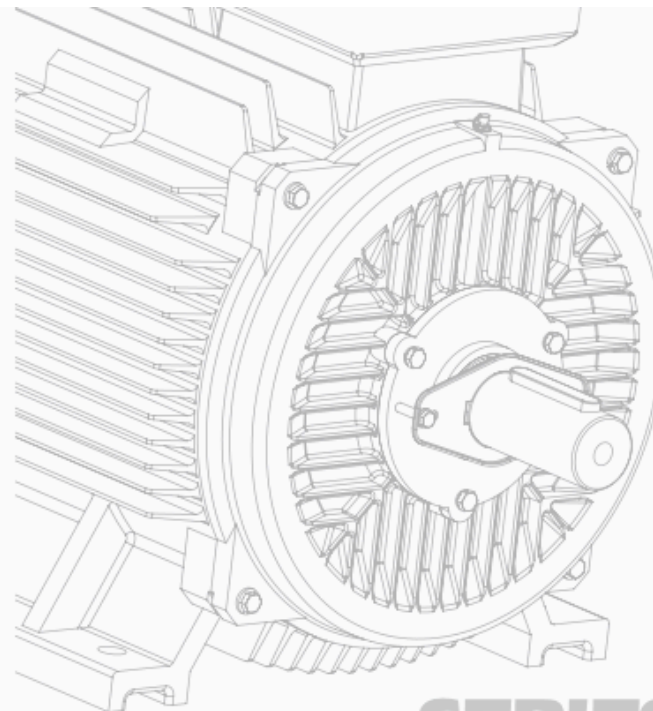
PT SUKSES ANUGRAH ABADI

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WE

SERIES MOTOR

IE1



BEARING SIZE

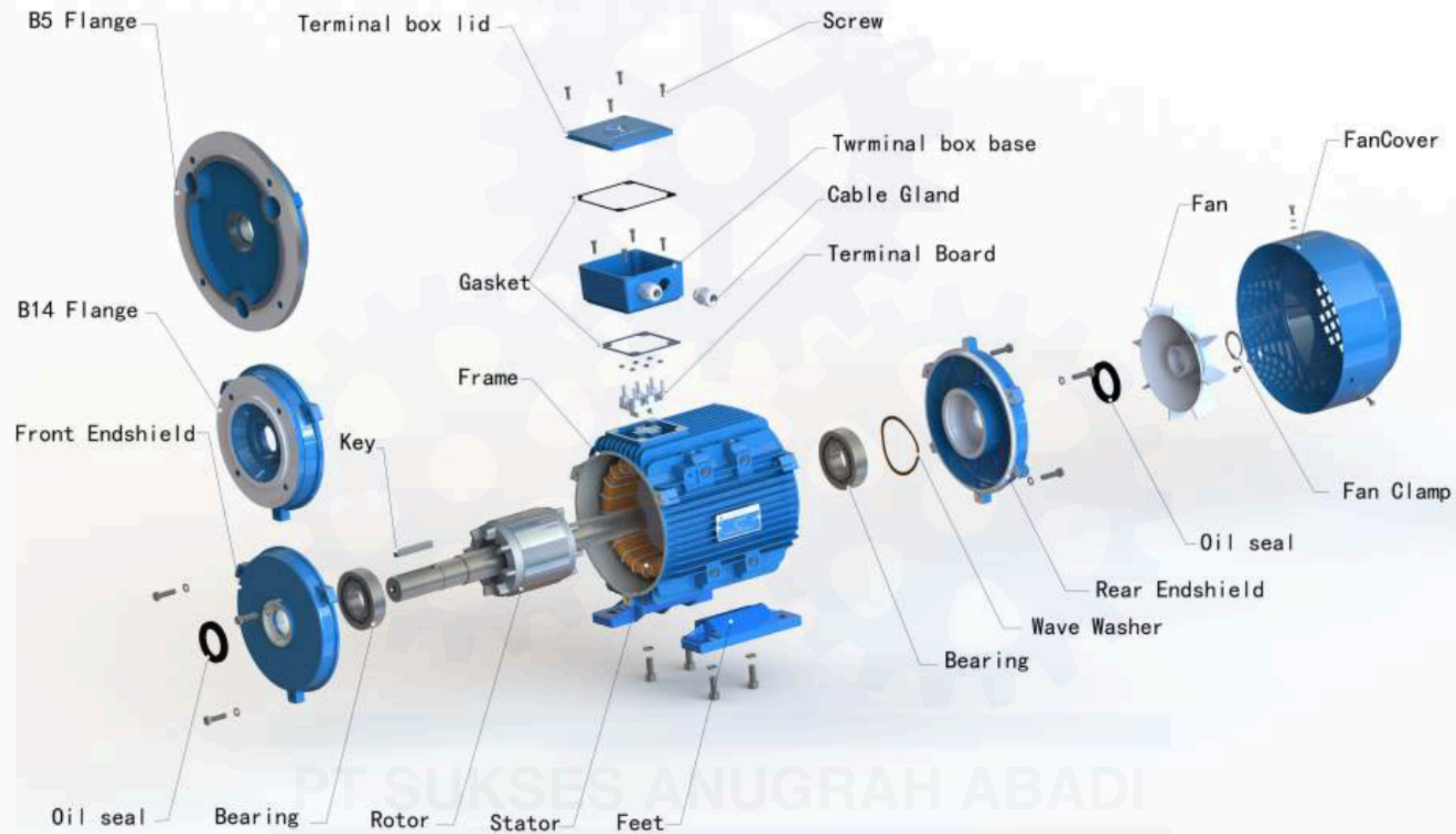
Frame Size	Poles	Drive End	Non-Drive End
		International type	International type
56	2~4	62012RZ	62012RZ
63	2~4	62012RZ	62012RZ
71	2~6	62022RZ	62022RZ
80	2~8	62042RZ	62042RZ
90	2~8	62052RZ	62052RZ
100	2~8	62062RZ	62062RZ
112	2~8	63062RZ	63062RZ
132	2~8	63082RZ	63082RZ
160	2~8	63092ZC3	63092ZC3
180	2~8	6311C3	6311C3
200	2~8	6312C3	6312C3
225	2~8	6313C3	6313C3
250	2~8	6314C3	6314C3
280	2	6314C3	6314C3
315	4~8	6317C3	6317C3
	2	6317C3	6317C3
355	4~10	NU319C3	6319C3
	2	6319C3	6319C3
400	4~10	NU322C3	6322C3
	4~10	NU326C3	6326C3

MAIN DATA FOR TERMINAL BOX

Classified number	Frame size	Max.F.Amps	Entry hole size
			International standard
1	H56~80	2.6	2 × M20 × 1.5
2	H90~100	6.8	2 × M25 × 1.5
3	H112~132	15.4	2 × M32 × 1.5
4	H160~180	42.5	2 × M40 × 1.5
5	H200~225	84.2	2 × M50 × 1.5
6	H250~280	166.6	2 × M63 × 1.5
7	H315	358	2 × M63 × 1.5
8	H355	546	2 × M63 × 1.5
9	H400	600	3 × M63 × 1.5

The mounting arrangements of the motors comply with IEC34-7 Recommendation. There are four basic arrangements shown as the following tables and figures.

Fundamental arrangement	B3					
Mounting arrangement	B3	B6	B7	B8	V5	V6
Diagram						
Range of Manufacture (framesize)	56-400	56-160				
Fundamental arrangement	B5			B35		
Mounting arrangement	B5	V1	V3	B35	V15	V36
Diagram						
Range of Manufacture (framesize)	56-280	56-355	56-160	56-400	56-160	
Fundamental arrangement	B14					
Mounting arrangement	B14	B34	V18	V58	V19	V69
Diagram						
Range of Manufacture (framesize)	56-132					





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CE
Authentication by EC CE



WE THREE-PHASE ASYNCHRONOUS MOTOR



TECHNICAL DATA OF WE SERIES

NO.	Frame reference and size	Rated power		Full load current at rated voltage			Full load speed in revolutions per minute	Frequency at constant power	Direct online starting torque ratio	Direct online pull out torque ratio	Direct online starting current ratio	Efficiency	Power factor	Rotor inertia WK ²
		Power		Amps (A)			Speed	Frequency	LRT	BDT	LRA	η	Power factor	J
		kW	HP	380 V	400 V	415 V	r/min	(HZ)	RLT	RLT	RLA	(%)	(cos φ)	kg . m ² * 10 ³
1	WE — 561 — 2	0.09	0.12	0.29	0.27	0.26	2700	50	2.2	2.1	5.2	62.00	0.77	0.18
2	WE — 562 — 2	0.12	0.16	0.37	0.35	0.33	2700	50	2.2	2.1	5.2	64.00	0.78	0.23
3	WE — 63M1 — 2	0.18	0.25	0.53	0.5	0.49	2720	50	2.3	2.3	5.5	65.00	0.80	0.31
4	WE — 63M2 — 2	0.25	0.34	0.69	0.65	0.63	2720	50	2.3	2.3	5.5	68.00	0.81	0.6
5	WE — 71M1 — 2	0.37	0.5	1.01	0.96	0.92	2755	50	2.2	2.3	6.1	69.00	0.81	0.75
6	WE — 71M2 — 2	0.55	0.75	1.38	1.3	1.26	2790	50	2.3	2.3	6.1	74.00	0.82	0.9
7	WE — 80M1 — 2	0.8	1	1.77	1.67	1.6	2840	50	2.3	2.2	6.1	75.00	0.83	1.2
8	WE — 80M2 — 2	1.1	1.5	2.61	2.34	2.24	2840	50	2.3	2.2	6.9	76.20	0.84	1.4
9	WE — 90S — 2	1.5	2	3.46	3.29	3.15	2850	50	2.3	2.2	7.0	78.50	0.84	2.9
10	WE — 90L — 2	2.2	3	4.85	4.6	4.4	2855	50	2.3	2.2	7.0	81.00	0.85	5.5
11	WE — 100L — 2	3	4	6.34	6.02	5.77	2860	50	2.3	2.2	7.5	82.60	0.87	10.9
12	WE — 112M — 2	4	5.5	8.2	7.8	7.46	2880	50	2.3	2.2	7.5	84.20	0.88	12.6
13	WE — 132S1 — 2	5.5	7.5	11.1	10.5	10.1	2900	50	2.3	2.2	7.5	85.70	0.88	37.7
14	WE — 132S2 — 2	7.5	10	14.9	14.15	13.56	2900	50	2.3	2.2	7.5	87.00	0.88	49.9
15	WE — 160 M1 — 2	11	15	21.3	20.2	19.4	2930	50	2.3	2.2	7.5	88.00	0.89	55

PT SUKSES ANUGRAH ABADI

NO.	Frame reference and size	Rated power		Full load current at rated voltage			Full load speed in revolutions per minute	Frequency at constant power	Direct online starting torque ratio	Direct online pull out torque ratio	Direct online starting current ratio	Efficiency	Power factor	Rotor inertia WK ²
		Power		Amps (A)			Speed	Frequency	LRT	BDT	LRA	η	Power factor	J
		kW	HP	380 V	400 V	415 V	r/min	(HZ)	RLT	RLT	RLA	(%)	(cos φ)	kg . m ² * 10 ³
16	WE — 160 M2 — 2	15	20	28.8	27.4	26.2	2930	50	2.3	2.2	7.5	89.00	0.89	75
17	WE — 160L — 2	18.5	25	34.7	32.97	31.6	2930	50	2.3	2.2	7.5	90.00	0.90	124
18	WE — 561 — 4	0.06	0.08	0.23	0.22	0.21	1300	50	2.1	2.0	4.0	56.00	0.70	3
19	WE — 562 — 4	0.09	0.12	0.33	0.31	0.30	1300	50	2.1	2.0	4.0	58.00	0.72	4
20	WE — 63M1 — 4	0.12	0.16	0.44	0.42	0.40	1310	50	2.2	2.1	4.4	57.00	0.72	5
21	WE — 63M2 — 4	0.18	0.25	0.62	0.59	0.56	1310	50	2.2	2.1	4.4	60.00	0.73	6
22	WE — 71M1 — 4	0.25	0.34	0.79	0.75	0.72	1340	50	2.2	2.1	5.2	65.00	0.74	8
23	WE — 71M2 — 4	0.37	0.5	1.12	1.1	1.0	1340	50	2.2	2.1	5.2	67.00	0.75	1.3
24	WE — 80M1 — 4	0.55	0.75	1.52	1.44	1.38	1390	50	2.3	2.4	5.2	71.00	0.75	1.8
25	WE — 80M2 — 4	0.8	1	1.95	1.85	1.77	1390	50	2.3	2.3	6.0	73.00	0.76	2.1
26	WE — 90S — 4	1.1	1.5	2.85	2.7	2.6	1390	50	2.3	2.3	6.0	76.20	0.77	2.3
27	WE — 90L — 4	1.5	2	3.72	3.53	3.39	1400	50	2.3	2.3	6.0	78.50	0.78	2.7
28	WE — 100L1 — 4	2.2	3	5.09	4.83	4.6	1420	50	2.3	2.3	7.0	81.00	0.81	5.4
29	WE — 100L2 — 4	3	4	6.78	6.4	6.17	1420	50	2.3	2.3	7.0	82.60	0.82	6.7
30	WE — 112M — 4	4	5.5	8.8	8.36	8.0	1435	50	2.3	2.3	7.0	84.20	0.82	9.5

PT SUKSES ANUGRAH ABADI

NO.	Frame reference and size	Rated power		Full load current at rated voltage			Full load speed in revolutions per minute	Frequency at constant power	Direct online starting torque ratio	Direct online pull out torque ratio	Direct online starting current ratio	Efficiency	Power factor	Rotor inertia WK ²
		Power		Amps (A)			Speed	Frequency	LRT	BDT	LRA	η	Power factor	J
		kW	HP	380 V	400 V	415 V	r/min	(HZ)	RLT	RLT	RLA	(%)	(cos φ)	kg . m ² * 10 ³
31	WE — 132S — 4	5.5	7.5	11.7	11.12	10.65	1440	50	2.3	2.3	7.0	85.70	0.83	21.4
32	WE — 132M — 4	7.5	10	15.6	14.8	14.2	1450	50	2.3	2.3	7.0	87.00	0.84	29.6
33	WE — 160M — 4	11	15	22.3	21.2	20.3	1460	50	2.3	2.3	7.0	88.00	0.85	74.7
34	WE — 160L — 4	15	20	30.1	28.6	27.4	1460	50	2.3	2.3	7.0	89.00	0.85	91.8
35	WE — 71M1 — 6	0.18	0.25	0.74	0.7	0.67	870	50	2.0	1.9	4.0	56.00	0.66	1.1
36	WE — 71M2 — 6	0.25	0.34	0.95	0.9	0.86	870	50	2.0	1.9	4.0	59.00	0.68	1.4
37	WE — 80M1 — 6	0.37	0.5	1.23	1.17	1.12	880	50	2.0	1.9	4.7	62.00	0.70	1.6
38	WE — 80M2 — 6	0.55	0.75	1.7	1.6	1.55	880	50	2.1	1.9	4.7	65.00	0.72	1.9
39	WE — 90S — 6	0.8	1	2.29	2.18	2.08	905	50	2.1	2.0	5.3	69.00	0.72	2.9
40	WE — 90L — 6	1.1	1.5	3.18	3.02	2.9	905	50	2.1	2.0	5.5	72.00	0.73	3.5
41	WE — 100L — 6	1.5	2	4.0	3.8	3.64	920	50	2.1	2.0	5.5	76.00	0.76	6.9
42	WE — 112M — 6	2.2	3	5.6	5.32	5.1	935	50	2.1	2.0	6.5	79.00	0.76	14
43	WE — 132M1 — 6	3	4	7.4	7.03	6.73	960	50	2.1	2.1	6.5	81.00	0.76	28.6
44	WE — 132S — 6	4	5.5	9.5	9.03	8.65	960	50	2.1	2.1	6.5	82.00	0.76	35.7
45	WE — 132M2 — 6	5.5	7.5	12.6	11.97	11.16	960	50	2.1	2.1	6.5	84.00	0.77	44.9

PT SUKSES ANUGRAH ABADI

NO.	Frame reference and size	Rated power		Full load current at rated voltage			Full load speed in revolutions per minute	Frequency at constant power	Direct online starting torque ratio	Direct online pull out torque ratio	Direct online starting current ratio	Efficiency	Power factor	Rotor inertia WK ²
		Power		Amps (A)			Speed	Frequency	LRT	BDT	LRA	η	Power factor	J
		kW	HP	380 V	400 V	415 V	r/min	(HZ)	RLT	RLT	RLA	(%)	(cos φ)	kg . m ² * 10 ³
46	WE — 160M — 6	7.5	10	16.9	16.1	15.6	970	50	2.1	2.0	6.5	86.00	0.78	81
47	WE — 160L — 6	11	15	24.2	22.99	22.02	970	50	2.1	2.0	6.5	87.50	0.79	11.6
48	WE — 80M1 — 6	0.18	0.25	0.85	0.84	0.80	645	50	1.9	1.8	3.3	51.00	0.61	2.5
49	WE — 80M2 — 8	0.25	0.34	1.15	1.05	1.06	645	50	1.9	1.8	3.3	54.00	0.61	3
50	WE — 90S — 8	0.37	0.5	1.49	1.4	1.36	675	50	1.9	1.8	4.0	62.00	0.61	5.1
51	WE — 90L — 8	0.55	0.75	2.17	2.06	2.0	680	50	2.0	1.8	4.0	63.00	0.61	6.5
52	WE — 100L1 — 8	0.8	1	2.43	2.3	2.2	680	50	2.0	1.8	4.0	70.00	0.67	9.5
53	WE — 100L2 — 8	1.1	1.5	3.36	3.2	3.06	680	50	2.0	1.8	5.0	72.00	0.69	11
54	WE — 112M — 8	1.5	2	4.4	4.22	4.04	690	50	2.0	1.8	5.0	74.00	0.70	24.5
55	WE — 132S — 8	2.2	3	6.0	5.7	5.46	710	50	2.0	1.8	6.0	79.00	0.71	31.4
56	WE — 132M — 8	3	4	7.8	7.4	7.1	710	50	2.0	1.8	6.0	80.00	0.73	39.5
57	WE — 160 M1 — 8	4	5.5	10.3	9.78	9.37	720	50	2.0	1.9	6.0	81.00	0.73	75.3
58	WE — 160 M2 — 8	5.5	7.5	13.6	12.9	12.38	720	50	2.0	2.0	6.5	83.00	0.74	93.1

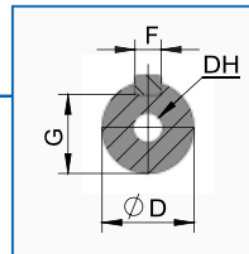
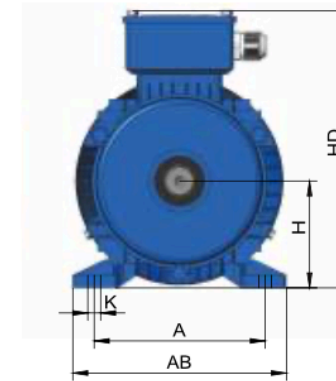
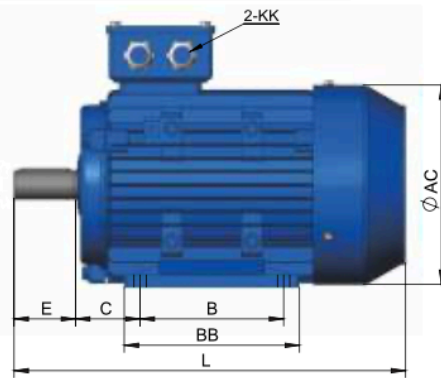
PT SUKSES ANUGRAH ABADI

TECHNICAL DATA OF WE SERIES

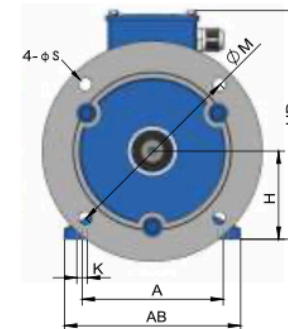
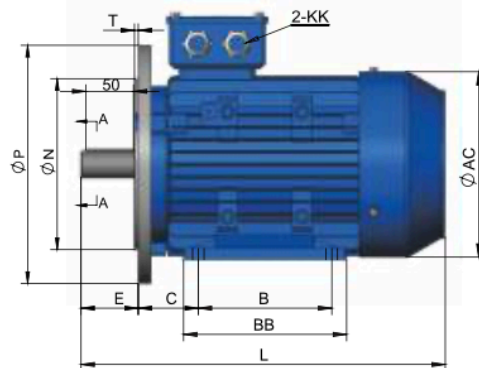
NO.	Frame reference and size	Rated power		Full load current at rated voltage			Full load speed in revolutions per minute	Frequency at constant power	Direct online starting torque ratio	Direct online pull out torque ratio	Direct online starting current ratio	Efficiency	Power factor	Rotor inertia WK ²
		Power		Amps (A)			Speed	Frequency	LRT	BDT	LRA	η	Power factor	J
	Type	kW	HP	380V	400V	415V								
							r/min	(HZ)	RLT	RLT	RLA	(%)	(cos φ)	kg . m ² * 10 ³
1	WE — 100L1 — 10	0.25	0.34	1.33	1.26	1.22	530	50	1.2	1.7	3.2	55.0	0.52	5.7
2	WE — 100L2 — 10	0.37	0.5	1.89	1.80	1.73	530	50	1.2	1.7	3.2	56.0	0.53	7.3
3	WE — 112M1 — 10	0.55	0.72	2.50	2.37	2.29	540	50	1.2	1.7	3.4	62.0	0.54	10.1
4	WE — 112M2 — 10	0.8	1	3.30	3.12	3.01	540	50	1.2	1.7	3.4	63.0	0.55	12.3
5	WE — 132S — 10	1.1	1.5	4.40	4.20	4.00	550	50	1.2	1.7	3.6	69.0	0.55	27.4
6	WE — 132M — 10	1.5	2.2	5.70	5.50	5.20	565	50	1.2	1.7	3.6	71.0	0.56	35.1
7	WE — 160M1 — 10	2.2	3	7.7	7.3	7.1	575	50	1.3	1.8	4.0	76.0	0.57	44.2
8	WE — 160M2 — 10	6	4	10.2	9.7	9.4	575	50	1.3	1.8	4.0	77.0	0.58	84.1
9	WE — 100L1 — 12	0.25	0.27	1.55	1.47	1.42	420	50	1.1	1.7	2.8	50.0	0.49	7.4
10	WE — 100L2 — 12	0.37	0.5	2.21	2.10	2.02	425	50	1.1	1.7	2.8	52.0	0.49	10.3
11	WE — 112M1 — 12	0.55	0.75	3.01	2.84	2.74	435	50	1.1	1.7	3.2	57.0	0.49	12.6
12	WE — 132S1 — 12	0.8	1	3.60	3.40	3.30	440	50	1.1	1.7	3.4	63.0	0.50	28
13	WE — 132S2 — 12	1.1	1.5	5.10	4.90	4.70	450	50	1.1	1.7	3.4	65.0	0.50	35.9
14	WE — 132M — 12	1.5	2	6.70	6.3	6.10	460	50	1.1	1.7	3.5	68.0	0.50	45.2
15	WE — 160M — 12	2.2	3	9.0	8.5	8.2	465	50	1.1	1.8	4.0	74.0	0.50	86.1
16	WE — 160L — 12	3	4	12.2	11.6	11.2	470	50	1.1	1.8	4.0	74.5	0.50	106.5
17	WE — 112M1 — 16	0.25	0.34	1.52	1.44	1.39	310	50	0.9	1.6	2.5	48.0	0.47	28.5
18	WE — 112M1 — 16	0.37	0.5	2.34	2.22	2.14	315	50	0.9	1.6	2.5	48.5	0.47	36.6
19	WE — 132M — 16	0.55	0.75	3.2	3.0	2.9	330	50	0.9	1.6	2.7	54.0	0.48	46
20	WE — 160M1 — 16	0.8	1	3.8	3.6	3.4	340	50	0.9	1.6	2.8	62.0	0.48	87.7
21	WE — 160M2 — 16	1.1	1.5	5.4	5.1	4.9	345	50	0.9	1.6	2.8	64.0	0.48	108.4
22	WE — 160L — 16	1.5	2	7.1	6.7	6.5	345	50	0.9	1.6	2.8	66.0	0.48	146.7

MOUNTING AND OVERALL DIMENSIONS

IM B3 EM56-160



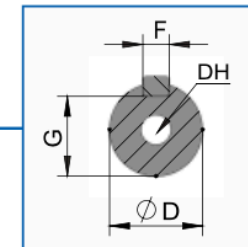
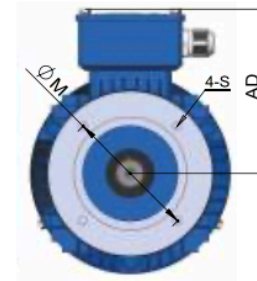
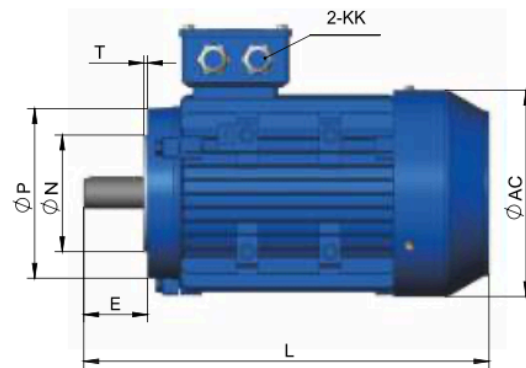
IM B5 / IM B35 EM56-160



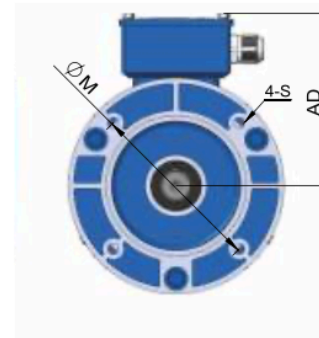
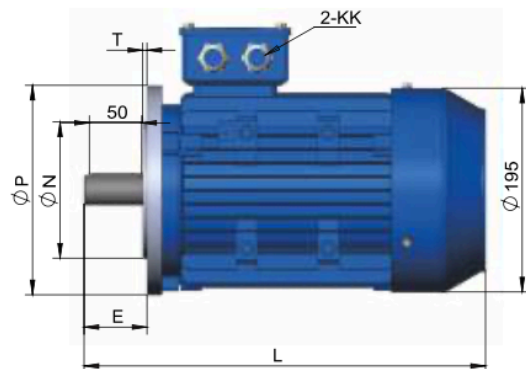
Frame Size	Mounting Dimensions																Overall Dimensions									
	A	AA	AB	BB	HA	AC	AD	B	C	D	DH	E	F	G	H	K	KK		L	M	N	P	S	T		
																	METRIC								PG	
WE56	90	23	115	88	7	110	100	71	36	9	M4 x 12	20	3	7.2	56	5.8	2 — M20 x 1.5	2 — PG13.5	199	100	80	120	Φ7	3.0		
WE63	100	24	137	100	7	123	111	80	40	11	M4 x 12	23	4	8.5	63	7.0	2 — M20 x 1.5	2 — PG13.5	221	115	95	140	Φ10	3.0		
WE71	112	26	138	110	8	137	127	90	45	14	M5 x 12	30	5	11	71	7.0	2 — M20 x 1.5	2 — PG13.5	247	130	110	160	Φ10	3.5		
WE80	125	35	157	125	9	155	136	100	50	19	M6 x 16	40	6	15.5	80	10.0	2 — M20 x 1.5	2 — PG16	290	165	130	200	Φ12	3.5		
WE90S	140	37	175	125	10	175	144	100	56	24	M8 x 19	50	8	20.0	90	10.0	2 — M25 x 1.5	2 — PG16	315	165	130	200	Φ12	3.5		
WE90L	140	37	175	150	10	175	144	125	56	24	M8 x 19	50	8	20.0	90	10.0	2 — M25 x 1.5	2 — PG16	340	165	130	200	Φ12	3.5		
WE100L	160	40	200	172	11	195	160	140	63	28	M10 x 22	60	8	24.0	100	12.0	2 — M32 x 1.5	2 — PG21	382	215	180	250	Φ15	4.0		
WE112M	190	41	226	181	12	220	183	140	70	28	M10 x 22	60	8	24.0	112	12.0	2 — M32 x 1.5	2 — PG21	400	215	180	250	Φ15	4.0		
WE132S	216	51	260	186	14.5	258	198	140	89	38	M12 x 28	80	10	33.0	132	12.0	2 — M32 x 1.5	2 — PG21	469	265	230	300	Φ15	4.0		
WE132M	216	51	260	224	14.5	258	198	178	89	38	M12 x 28	80	10	33.0	132	12.0	2 — M32 x 1.5	2 — PG21	508	265	230	300	Φ15	4.0		
WE160M	254	60	314	260	18	315	255	210	108	42	M16 x 36	110	12	37.0	160	15.0	2 — M40 x 1.5	2 — PG29	613	300	250	350	Φ19	5.0		
WE160L	254	60	314	304	18	315	255	255	108	42	M16 x 36	110	12	37.0	160	15.0	2 — M40 x 1.5	2 — PG29	658	300	250	350	Φ19	5.0		

PT SUKSES ANUGRAH ABADI

IM B14A WE56-160



IM B14B WE56-160



Frame Size	AC	AD	D	DH	E	F	G	KK		L	B14A					B14B				
								METRIC	PG		M	N	P	S	T	M	N	P	S	T
WE56	110	100	9	M4 x 12	20	3	7.2	2 — M20 x 1.5	2 — PG13.5	199	65	50	80	M5	2.5	85	70	105	M6	2.5
WE63	123	109	11	M4 x 12	23	4	8.5	2 — M20 x 1.5	2 — PG13.5	221	75	60	90	M5	2.5	100	80	120	M6	2.5
WE71	137	127	14	M5 x 12	30	5	11.0	2 — M20 x 1.5	2 — PG13.5	247	85	70	105	M6	2.5	115	95	140	M8	3.0
WE80	155	134	19	M6 x 16	40	6	15.5	2 — M25 x 1.5	2 — PG16	290	100	80	120	M6	3.0	130	110	160	M8	3.5
WE90S	175	140	24	M8 x 19	50	8	20.0	2 — M25 x 1.5	2 — PG16	315	115	95	140	M8	3.0	130	110	160	M8	3.5
WE90L	175	140	24	M8 x 19	50	8	20.0	2 — M25 x 1.5	2 — PG16	340	115	95	140	M8	3.0	130	110	160	M8	3.5
WE100L	195	160	28	M10 x 22	60	8	24.0	2 — M32 x 1.5	2 — PG21	382	130	110	160	M8	3.5	165	130	200	M10	3.5
WE112M	220	178	28	M10 x 22	60	8	24.0	2 — M32 x 1.5	2 — PG21	400	130	110	160	M8	3.5	165	130	200	M10	3.5
WE132S	258	206	38	M12 x 28	80	10	33.0	2 — M32 x 1.5	2 — PG21	469	165	130	200	M10	3.5	215	180	250	M12	4.0
WE132M	258	206	38	M12 x 28	80	10	33.0	2 — M32 x 1.5	2 — PG21	508	165	130	200	M10	3.5	215	180	250	M12	4.0
WE160M	315	255	42	M16 x 36	110	12	37.0	2 — M40 x 1.5	2 — PG29	613	215	180	250	M12	4.0	265	230	300	M16	5.0
WE160L	315	255	42	M16 x 36	110	12	37.0	2 — M40 x 1.5	2 — PG29	658	215	180	250	M12	4.0	265	230	300	M16	5.0

PT SUKSES ANUGRAH ABADI

WEC **THREE-PHASE ASYNCHRONOUS MOTOR**



WEC *THREE-PHASE ASYNCHRONOUS MOTOR*

General introduction

WEC series three-phase asynchronous motors, developed with new techniques.

WEC series motors are defined as totally enclosed, fan cooled, squirrel cage type and noted for their novel design, beautiful model, compact structured, low noise, high efficiency, large torque, excellent starting performance, easy serving, etc. The motors are adopted with F class insulation and designed with assessing method for insulation system according to international practice, it enhances greatly have reached an international advanced level of the same kind of products at the initial days of the 90s.

WEC series motors can be widely used as driving equipments of various machineries, such as machine tools, blowers, pumps, compressors, transporters, agricultural and food processing. Pedestal installation size and centre height and other indexes of the motor completely measured by **WEC** series three-phase asynchronous motor.

Operating conditions

Ambient temperature: -15°C ~ 40°C Altitude: Altitude should be higher than 1000 metres above sea level.

Rated voltage: 380V, 400V, 415V, 440V. Rated frequency: 50Hz, 60Hz. Connection: Y Star-connection for 3kw or less whereas and delta-connection. Duty/Rating: Continuous (S1).

Insulation class: F, the temperature rise of the stator winding is examined at 80K

(by resistance method). Protection class: IP55.

Cooling method: IC411.

TECHNICAL DATA OF WEC SERIES

No.	Frame reference and size	Full load current at rated voltage			Rated Power		Full load speed in revolutions per minute	Efficiency	Power Factor	Direct online starting torque ratio	Direct online starting torque ratio	Direct online pull out torque ratio	Mean sound pressure level @1m on no load	Weight	Rotor inertia WK ²
		Amps (A)			Power		Speed	EFF.	P. F.	LRT	LRA	BDT	Noise	Weight	J
	Type	380 V	440 V	415 V	kW	HP	r/min	%	cosΦ	RLT	RLA	RLT	Lw dB(A)	kg	kg · m ² · 10 ³
1	WEC - 80M1 - 2	1.77	1.74	1.68	0.8	1	2840	75.0	0.83	2.2	6.1	2.3	67	16	0.75
2	WEC - 80M2 - 2	2.61	2.48	2.39	1.1	1.5	2840	76.2	0.84	2.2	6.9	2.3	67	17	0.9
3	WEC - 90S - 2	3.46	3.28	3.16	1.5	2	2850	78.5	0.84	2.2	7.0	2.3	72	20	1.2
4	WEC - 90L - 2	4.85	4.61	4.45	2.2	3	2855	81.0	0.85	2.2	7.0	2.3	72	23	1.4
5	WEC - 100L - 2	6.34	6.03	5.81	3	4	2860	82.6	0.87	2.2	7.5	2.3	76	30	2.9
6	WEC - 112M - 2	8.2	7.79	7.51	4	5.5	2880	84.2	0.88	2.2	7.5	2.3	77	41	5.5
7	WEC - 132S1 - 2	11.1	10.53	10.15	5.5	7.5	2900	85.7	0.88	2.2	7.5	2.3	80	57.5	10.9
8	WEC - 132S2 - 2	14.9	14.1	13.6	7.5	10	2900	87.0	0.88	2.2	7.5	2.3	80	60.5	12.6
9	WEC - 160M1 - 2	21.2	20.2	19.5	11	15	2930	88.4	0.89	2.2	7.5	2.3	86	107	37.7
10	WEC - 160M2 - 2	28.6	27.2	26.2	15	20	2930	89.4	0.89	2.2	7.5	2.3	86	104	49.9
11	WEC - 160L - 2	34.7	33.0	31.8	18.5	25	2930	90.0	0.90	2.2	7.5	2.3	86	133	55
12	WEC - 180M - 2	41	39.0	37.6	22	30	2940	90.5	0.90	2.0	7.5	2.3	89	156	75
13	WEC - 200L1 - 2	55.4	52.6	50.7	30	40	2950	91.4	0.90	2.0	7.5	2.3	92	218	124
14	WEC - 200L2 - 2	67.9	64.5	62.2	38	50	2950	92.0	0.90	2.0	7.5	2.3	92	230	139
15	WEC - 225M - 2	82.1	78.0	75.2	45	60	2960	92.5	0.90	2.0	7.5	2.3	92	290	233
16	WEC - 250M - 2	100	94.8	91.4	55	75	2970	93.0	0.90	2.0	7.5	2.3	93	359	312
17	WEC - 280S - 2	135	129	124	75	100	2975	93.6	0.90	2.0	7.0	2.3	94	494	579
18	WEC - 280M - 2	160	152	147	90	125	2975	93.9	0.91	2.0	7.1	2.3	94	510	675
19	WEC - 315S - 2	195	186	179	110	150	2975	94.0	0.91	1.8	7.1	2.2	96	875	1180
20	WEC - 315M - 2	233	222	214	132	180	2975	94.5	0.91	1.8	7.1	2.2	96	963	1820
21	WEC - 315L1 - 2	279	265	256	160	220	2975	94.6	0.92	1.8	7.1	2.2	99	1010	2080
22	WEC - 315L2 - 2	348	331	319	200	270	2975	94.8	0.92	1.8	7.1	2.2	99	1138	2380
23	WEC - 355M - 2	433	412	397	250	340	2980	95.2	0.92	1.6	7.1	2.2	103	1685	3000
24	WEC - 355L - 2	545	518	499	315	430	2980	95.4	0.92	1.6	7.1	2.2	103	1855	3500

No.	Frame reference and size	Full load current at rated voltage			Rated Power		Full load speed in revolutions per minute	Efficiency	Power Factor	Direct online starting torque ratio	Direct online starting torque ratio	Direct online pull out torque ratio	Mean sound pressure level @1m on no load	Weight	Rotor inertia WK ²
		Amps (A)			Power		Speed	EFF.	P. F.	LRT	LRA	BDT	Noise	Weight	J
	Type	380 V	440 V	415 V	kW	HP	r/min	%	CosΦ	RLT	RLA	RLT	LwdB(A)	kg	kg · m ² * 10 ³
1	WEC - 80M1 - 4	1.57	1.49	1.44	0.55	0.75	1390	71	0.75	2.4	5.2	2.3	58	15	1.9
2	WEC - 80M2 - 4	2.05	1.95	1.88	0.8	1	1390	73	0.76	2.3	6.0	2.3	58	15.5	2.1
3	WEC - 90S - 4	2.85	2.71	2.61	1.1	1.5	1390	76.2	0.77	2.3	6.0	2.3	61	19	2.3
4	WEC - 90L - 4	3.72	3.54	3.41	1.5	2	1400	78.5	0.78	2.3	6.0	2.3	61	23	2.7
5	WEC - 100L1 - 4	5.09	4.90	4.72	2.2	3	1420	81	0.81	2.3	7.0	2.3	64	29	5.4
6	WEC - 100L2 - 4	6.78	6.39	6.16	3	4	1420	82.6	0.82	2.3	7.0	2.3	64	31	6.7
7	WEC - 112M - 4	8.8	8.36	8.06	4	5.5	1435	84.2	0.82	2.3	7.0	2.3	65	42	9.5
8	WEC - 132S - 4	11.7	11.2	10.8	5.5	7.5	1440	85.7	0.83	2.3	7.0	2.3	71	52	21.4
9	WEC - 132M - 4	15.6	14.8	14.3	7.5	10	1450	87.0	0.84	2.3	7.0	2.3	71	64.5	29.6
10	WEC - 160M - 4	22.5	21.4	20.6	11	15	1460	88.4	0.84	2.2	7.0	2.3	75	100	74.7
11	WEC - 160L - 4	30	28.5	27.5	15	20	1460	89.4	0.85	2.2	7.5	2.3	75	129	91.8
12	WEC - 180M - 4	36.3	34.5	33.3	18.5	25	1470	90	0.86	2.2	7.5	2.3	76	150	139
13	WEC - 180L - 4	43.2	40.8	39.3	22	30	1470	90.5	0.86	2.2	7.5	2.3	76	166	158
14	WEC - 200L - 4	57.6	55.1	53.1	30	40	1470	91.4	0.86	2.2	7.2	2.3	79	228	262
15	WEC - 225S - 4	70.2	66.7	64.3	38	50	1475	92	0.87	2.2	7.2	2.3	81	268	406
16	WEC - 225M - 4	84.9	80.7	77.8	45	60	1475	92.5	0.87	2.2	7.2	2.3	81	313	496
17	WEC - 250M - 4	103	98.1	94.6	55	75	1480	93	0.87	2.2	7.2	2.3	83	366	660
18	WEC - 280S - 4	138.3	131	127	75	100	1480	93.6	0.88	2.2	6.8	2.3	86	480	1120
19	WEC - 280M - 4	165	157	152	90	125	1480	93.9	0.88	2.2	6.8	2.3	86	560	1640
20	WEC - 315S - 4	201	191	184	110	150	1480	94.5	0.88	2.1	6.9	2.2	93	846	3100
21	WEC - 315M - 4	240	228	220	132	180	1480	94.8	0.88	2.1	6.9	2.2	93	940	3620
22	WEC - 315L1 - 4	288	273	264	160	220	1480	94.9	0.89	2.1	6.9	2.2	97	1044	4130
23	WEC - 315L2 - 4	360	342	329	200	270	1480	94.9	0.89	2.1	6.9	2.2	97	1162	4730
24	WEC - 355M - 4	443	421	406	250	340	1490	95.2	0.90	2.1	6.9	2.2	101	1650	6500
25	WEC - 355L - 4	559	531	511	315	430	1490	95.2	0.90	2.1	6.9	2.2	101	1810	8200

No.	Frame reference and size	Full load current at rated voltage			Rated Power		Full load speed in revolutions per minute	Efficiency	Power Factor	Direct online starting torque ratio	Direct online starting torque ratio	Direct online pull out torque ratio	Mean sound pressure level @1m on no load	Weight	Rotor inertia WK ²
		Amps (A)			Power		Speed	EFF.	P. F.	LRT	LRA	BDT	Noise	Weight	J
	Type	380 V	440 V	415 V	kW	HP	r/min	%	CosΦ	RLT	RLA	RLT	LwdB(A)	kg	kg · m ² · 10 ³
1	WEC - 80M1 - 6	1.3	1.23	1.19	0.37	0.5	880	62	0.70	1.9	4.7	2.0	54	15	1.6
2	WEC - 80M2 - 6	1.8	1.70	1.64	0.55	0.75	880	65	0.72	1.9	4.7	2.1	54	16	1.9
3	WEC - 90S - 6	2.29	2.18	2.10	0.8	1	905	69	0.72	2.0	5.3	2.1	57	20	2.9
4	WEC - 90L - 6	3.18	3.02	2.91	1.1	1.5	905	72	0.73	2.0	5.5	2.1	57	23	3.5
5	WEC - 100L - 6	4	3.80	3.66	1.5	2	920	76	0.75	2.0	5.5	2.1	61	29	6.9
6	WEC - 112M - 6	5.6	5.29	5.10	2.2	3	935	79	0.76	2.0	6.5	2.1	65	41	14
7	WEC - 132S - 6	7.4	7.03	6.78	3	4	960	81	0.76	2.1	6.5	2.1	69	59	28.6
8	WEC - 132M1 - 6	9.75	9.26	8.93	4	5.5	960	82	0.76	2.1	6.5	2.1	69	66	35.7
9	WEC - 132M2 - 6	12.9	12.3	11.8	5.5	7.5	960	84	0.77	2.1	6.5	2.1	69	76.5	44.9
10	WEC - 160M - 6	17.2	16.3	15.8	7.5	10	970	86	0.77	2.0	6.5	2.1	73	106	81
11	WEC - 160L - 6	24.5	23.3	22.4	11	15	970	87.5	0.78	2.0	6.5	2.1	73	122	116
12	WEC - 180L - 6	31.6	30.0	28.9	15	20	970	89	0.81	2.0	7	2.1	73	154	207
13	WEC - 200L1 - 6	38.6	36.6	35.3	18.5	25	980	90	0.81	2.1	7	2.1	76	202	315
14	WEC - 200L2 - 6	44.7	42.5	41	22	30	980	90	0.83	2.0	7	2.1	76	216	360
15	WEC - 225M - 6	59.3	56.3	54.3	30	40	980	91.5	0.84	2.0	7	2.1	76	287	547
16	WEC - 250M - 6	71	67.5	65.1	38	50	980	92	0.86	2.1	7	2.1	78	355	843
17	WEC - 280S - 6	86	81.7	78.1	45	60	980	92.5	0.86	2.1	7	2	80	444	1390
18	WEC - 280M - 6	104	99.5	95.9	55	75	980	92.8	0.86	2.1	7	2	80	498	1650
19	WEC - 315S - 6	142	135	130	75	100	985	93.5	0.86	2.0	6.7	2	85	859	4110
20	WEC - 315M - 6	169	161	155	90	125	985	93.8	0.86	2.0	6.7	2	85	950	4780
21	WEC - 315L1 - 6	207	196	189	110	150	985	94	0.86	2.0	6.7	2	85	1031	5450
22	WEC - 315L2 - 6	245	232	224	132	180	985	94.2	0.87	2.0	6.7	2	85	1107	6120
23	WEC - 355M1 - 6	292	278	268	160	220	990	94.5	0.88	1.9	6.7	2	92	1550	9500
24	WEC - 355M2 - 6	365	347	335	200	270	990	94.5	0.88	1.9	6.7	2	92	1645	10400
25	WEC - 355L - 6	457	434	418	250	340	990	94.5	0.88	1.9	6.7	2	92	1854	12400

TECHNICAL DATA OF H400-450 SERIES

	Frame reference and size	Rated power	Full load current at rated voltage	Full load speed in revolutions per minute	Efficiency	Power factor	Direct on line starting torque ratio	Direct on line starting current ratio	Direct on line pull out torque ratio	Mean sound pressure level @1m on no load	Voltage
NO.	Type	Output kW	Amps A	Speed r/min	EFF. %	P.F. Cos Φ	LRT RLT	LRA RLA	BDT RLT	Noise LwdB(A)	V
4	400L4-4	630	633	1490	96.3	0.89	1.7	6.8	2.2	108	660
5	450L1-4	630	639	1490	96.5	0.89	1.6	7	2.6	108	660
6	450L2-4	710	718	1490	96.5	0.89	1.6	7	2.6	108	660
7	450L3-4	800	806	1490	96.7	0.89	1.6	7	2.6	108	660
8	450L4-4	900	905	1490	96.7	0.89	1.6	7	2.6	108	660
9	400L1-6	355	649	990	96	0.86	2	6.5	2.2	98	380
10	400L2-6	400	729	990	96	0.86	2	6.5	2.2	98	380
11	400L3-6	450	817	990	96	0.86	2	6.5	2.2	102	380
12	400L4-6	500	906	990	96	0.86	2	6.5	2.2	102	380
13	450L1-6	500	534	990	96.2	0.86	1.6	7	2.6	102	660
14	450L2-6	560	596	990	96.3	0.85	1.6	7	2.6	105	660
15	450L3-6	630	670	990	96.5	0.85	1.6	7	2.6	105	660
16	450L4-6	710	751	990	96.5	0.85	1.6	7	2.6	105	660
17	400L1-8	315	596	740	96	0.82	2.1	6.1	2.4	95	380
18	400L2-8	355	676	740	96	0.82	2.1	6.1	2.4	95	380
19	400L3-8	400	757	740	96	0.82	2.1	6.1	2.4	99	380
20	450L1-8	400	445	740	96	0.89	1.6	7	2.6	99	380
21	450L2-8	450	499	740	96	0.82	1.6	7	2.6	99	380
22	450L3-8	500	553	740	96.2	0.82	1.6	7	2.6	99	380
23	450L4-8	560	621	740	96.2	0.82	1.6	7	2.6	102	380
24	400L1-10	250	512	590	95.2	0.77	2.1	6.5	2.4	99	660
25	400L2-10	315	639	590	96	0.77	2.1	6.5	2.4	99	660
26	400L3-10	355	718	590	96	0.77	2.1	6.5	2.4	99	660
27	450L1-10	355	732	590	95.6	0.77	1.6	7	2.6	99	660
28	450L2-10	400	822	590	95.6	0.77	1.6	7	2.6	99	660
29	450L3-10	450	927	590	95.6	0.77	1.6	7	2.6	99	660

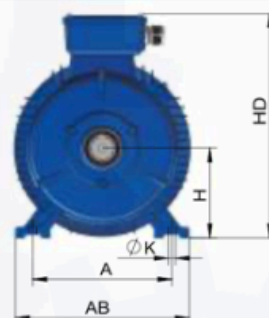
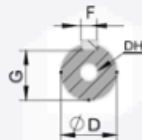
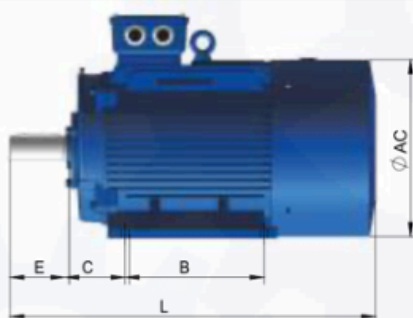
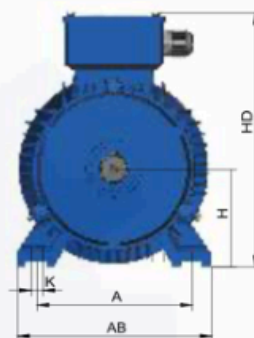
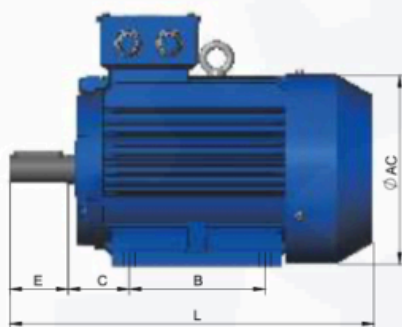
No.	Frame reference and size	Full load current at rated voltage			Rated Power		Full load speed in revolutions per minute	Efficiency	Power Factor	Direct online starting torque ratio	Direct online starting torque ratio	Direct online pull out torque ratio	Mean sound pressure level @1m on no load	Weight	Rotor inertia WK ²
		Amps (A)			Power		Speed	EFF.	P. F.	LRT	LRA	BDT	Noise	Weight	J
		380 V	440 V	415 V	kW	HP	r/min	%	cosΦ	RLT	RLA	RLT	LwdB(A)	kg	kg · m ² · 10 ³
1	WEC - 80M1 - 8	0.88	0.84	0.8	0.18	0.25	645	51	0.61	1.8	3.3	1.9	52	15	2.5
2	WEC - 80M2 - 8	1.15	1.1	1.06	0.25	0.34	645	54	0.61	1.8	3.3	1.9	52	16	3
3	WEC - 90S - 8	1.49	1.41	1.36	0.37	0.5	645	62	0.61	1.8	4	1.9	56	20	5.1
4	WEC - 90L - 8	2.17	2.07	1.99	0.55	0.75	680	63	0.61	1.8	4	2	56	23	6.5
5	WEC - 100L1 - 8	2.43	2.31	2.22	0.8	1	680	70	0.67	1.8	4	2	59	29	9
6	WEC - 100L2 - 8	3.36	3.2	3.08	1.1	1.5	680	72	0.69	1.8	5	2	59	31	11
7	WEC - 112M - 8	4.4	4.18	4.03	1.5	2	690	74	0.70	1.8	5	2	61	41	24.5
8	WEC - 132S - 8	6	5.66	5.46	2.2	3	710	79	0.71	1.8	6	2	64	61	31.4
9	WEC - 132M - 8	7.8	7.41	7.15	3	4	710	80	0.73	1.8	6	2	64	74	39.5
10	WEC - 160M1 - 8	10.3	9.76	9.41	4	5.5	720	81	0.73	1.9	6	2	68	95.5	75.3
11	WEC - 160M2 - 8	13.6	12.9	12.5	5.5	7.5	720	83	0.74	1.9	6	2	68	107	93.1
12	WEC - 160L - 8	17.8	16.9	16.3	7.5	10	720	85.5	0.75	1.9	6	2	68	128	126
13	WEC - 180L - 8	25.5	24.2	23.3	11	15	730	87.5	0.75	2	6.5	2	70	169	203
14	WEC - 200L - 8	34.1	32.4	31.2	15	20	730	88	0.76	2	6.6	2	73	236	339
15	WEC - 225S - 8	41.1	39	37.6	18.5	25	730	90	0.76	1.9	6.6	2	73	274	491
16	WEC - 225M - 8	48.9	45	43.4	22	30	730	90.5	0.78	1.9	6.6	2	73	290	547
17	WEC - 250M - 8	63	60.2	58.1	30	40	735	91	0.79	1.9	6.5	2	75	370	834
18	WEC - 280S - 8	78	73.9	71.2	38	50	740	91.5	0.79	1.9	6.6	2	76	488	1650
19	WEC - 280M - 8	94	89.4	86.1	45	60	740	92	0.79	1.9	6.6	2	76	563	1930
20	WEC - 315S - 8	111	106	102	55	75	735	92.8	0.81	1.8	6.6	2	82	748	4790
21	WEC - 315M - 8	150	143	138	75	100	735	93.5	0.81	1.8	6.2	2	82	854	5580
22	WEC - 315L1 - 8	178	169	163	90	125	735	93.8	0.82	1.8	6.4	2	82	970	6370
23	WEC - 315L2 - 8	217	206	199	110	150	735	94	0.82	1.8	6.4	2	82	1075	7230
24	WEC - 355M1 - 8	261	248	239	132	180	740	93.7	0.82	1.8	6.4	2	90	1575	7900
25	WEC - 355M2 - 8	315	299	288	160	220	740	94.2	0.82	1.8	6.4	2	90	1658	10300
26	WEC - 355L - 8	387	368	355	200	270	740	94.5	0.83	1.8	6.4	2	90	1834	12300

No.	Frame reference and size	Full load current at rated voltage			Rated Power		Full load speed in revolutions per minute	Efficiency	Power Factor	Direct online starting torque ratio	Direct online starting torque ratio	Direct online pull out torque ratio	Mean sound pressure level @1m on no load	Rotor inertia WK ²
		Amps (A)			Power		Speed	EFF	P. F.	LRT	LRA	BDT	Noise	J
		380V	440V	415V	kW	HP	r/min	%	CosΦ	RLT	RLA	RLT	LwdB(A)	kg · m ² · 10 ³
1	WEC - 100L1 - 10	1.33	1.26	1.22	0.25	0.34	530	55	0.52	1.2	3.2	1.7	59	5.7
2	WEC - 100L2 - 10	1.89	1.8	1.73	0.37	0.5	530	56	0.53	1.2	3.2	1.7	59	7.3
3	WEC - 112M1 - 10	2.5	2.37	2.29	0.55	0.75	540	62	0.54	1.2	3.4	1.7	61	10.1
4	WEC - 112M2 - 10	3.3	3.12	3.01	0.8	1	540	63	0.55	1.2	3.4	1.7	61	12.3
5	WEC - 132S - 10	4.4	4.2	4	1.1	1.5	550	69	0.55	1.2	3.6	1.7	64	27.4
6	WEC - 132M - 10	5.7	5.5	5.2	1.5	2	565	71	0.56	1.2	4.6	1.7	64	35.1
7	WEC - 160M1 - 10	7.7	7.3	7.1	2.2	3	575	76	0.57	1.3	4	1.8	68	44.2
8	WEC - 160M2 - 10	10.2	9.7	9.4	3	4	575	77	0.58	1.3	4	1.8	68	84.2
9	WEC - 180M - 10	12.2	11.5	11.1	4	5.5	580	82	0.61	1.3	4	1.8	70	104.1
10	WEC - 180L - 10	16.2	15.4	14.9	5.5	7.5	580	83	0.62	1.3	4	1.8	70	140.9
11	WEC - 200L1 - 10	20.6	19.5	18.8	7.5	10	580	84	0.66	1.3	4.5	1.8	73	227
12	WEC - 200L2 - 10	30	28.5	27.5	11	15	580	84.5	0.66	1.3	4.5	1.8	73	379
13	WEC - 225M1 - 10	39.2	37.2	35.9	15	20	580	85.5	0.68	1.3	4.5	1.8	73	548.9
14	WEC - 250M2 - 10	48.1	45.7	44.1	18.5	25	580	86	0.68	1.3	4.5	1.8	73	611.5
15	WEC - 280S - 10	49.9	47.4	45.7	22	30	585	90.5	0.74	1.5	5.2	2	76	932.4
16	WEC - 280M1 - 10	67.7	64.3	62	30	40	585	91	0.74	1.5	5.2	2	76	1844.7
17	WEC - 280M2 - 10	83.5	79.3	76.5	38	50	585	91	0.74	1.5	5.2	2	76	2157.7
18	WEC - 315S - 10	100	95	91	45	60	590	91.5	0.75	1.5	6.2	2	82	5355.2
19	WEC - 315M - 10	121	115	111	55	75	590	92	0.75	1.5	6.2	2	82	6238.4
20	WEC - 315L1 - 10	162	154	148	75	100	590	92.5	0.76	1.5	5.8	2	82	7121.7
21	WEC - 315L2 - 10	191	181	175	90	125	590	93	0.77	1.5	5.9	2	82	8083.1
22	WEC - 355M1 - 10	230	218	211	110	150	590	93.2	0.78	1.5	6	2	90	10176
23	WEC - 355M2 - 10	275	261	252	132	180	590	93.5	0.78	1.5	6	2	90	11515.4
24	WEC - 355L - 10	334	317	305	160	220	590	93.5	0.78	1.5	6	2	90	13751.4

No.	Frame reference and size	Full load current at rated voltage			Rated Power		Full load speed in revolutions per minute	Efficiency	Power Factor	Direct online starting torque ratio	Direct online starting torque ratio	Direct online pull out torque ratio	Mean sound pressure level @1m on no load	Rotor inertia WK ²
		Amps (A)			Power		Speed	EFF.	P. F.	LRT	LRA	BDT	Noise	J
		380V	440V	415V	kW	HP	r/min	%	CosΦ	RLT	RLA	RLT	LwdB(A)	kg · m ² · 10 ³
1	WEC - 100L1 - 12	1.55	1.47	1.42	0.25	0.34	420	50	0.49	1.1	2.8	1.7	59	7.4
2	WEC - 100L2 - 12	2.21	2.1	2.02	0.37	0.5	425	52	0.49	1.1	2.8	1.7	59	10.3
3	WEC - 112M1 - 12	3.01	2.84	2.74	0.55	0.75	435	57	0.49	1.1	3.2	1.7	61	12.6
4	WEC - 132S1 - 12	3.6	3.4	3.3	0.8	1	440	63	0.5	1.1	3.4	1.7	61	28
5	WEC - 132S2 - 12	5.1	4.9	4.7	1.1	1.5	450	65	0.5	1.1	3.4	1.7	64	35.9
6	WEC - 132M - 12	6.7	6.3	6.1	1.5	2	460	68	0.5	1.1	3.5	1.7	64	45.2
7	WEC - 160M - 12	9	8.5	8.2	2.2	3	465	74	0.5	1.1	4	1.8	68	86.1
8	WEC - 160L - 12	12.2	11.6	11.2	3	4	470	74.5	0.5	1.1	4	1.8	68	106.5
9	WEC - 180L1 - 12	14.1	13.4	12.9	4	5.5	470	78	0.55	1.2	4	1.8	70	144.1
10	WEC - 180L2 - 12	18.5	17.6	16.9	5.5	7.5	475	79	0.57	1.2	4	1.8	70	232.2
11	WEC - 200L1 - 12	24.2	23	22.2	7.5	10	475	81	0.58	1.2	4.5	1.8	73	387.7
12	WEC - 225M1 - 12	33.1	31.5	30.3	11	15	480	84	0.6	1.2	4.5	1.8	73	561.6
13	WEC - 225M2 - 12	44.7	42.4	40.9	15	20	480	85	0.6	1.2	4.5	1.8	73	625.6
14	WEC - 250M - 12	53	50.3	48.5	18.5	25	480	85.5	0.62	1.2	4.5	1.8	73	953.9
15	WEC - 280S - 12	60	57	55	22	30	485	87	0.64	1.2	4.5	1.8	76	1887.1
16	WEC - 280M - 12	80.1	76.1	73.3	30	40	485	87.5	0.65	1.2	4.5	1.8	76	2207.4
17	WEC - 315S - 12	93.2	88.5	85.3	38	50	485	90	0.67	1.2	4.5	1.5	76	5478.4
18	WEC - 315M - 12	112.8	107.1	103.2	45	60	485	90.5	0.67	1.2	4.5	1.5	82	6381.9
19	WEC - 315L1 - 12	137.3	130.5	125.8	55	75	485	90.8	0.67	1.2	4.5	1.5	82	7285.5
20	WEC - 315L2 - 12	186.9	177.6	171.1	75	100	485	91	0.67	1.2	4.5	1.5	82	8269.1
21	WEC - 355M1 - 12	212.3	201.7	194.4	90	125	490	92	0.7	1.2	4.5	1.7	82	10410
22	WEC - 355M2 - 12	258.4	245.4	236.6	110	150	490	92.4	0.7	1.2	4.5	1.7	90	11780.3
23	WEC - 355L - 12	309.4	293.9	283.3	132	180	490	92.6	0.7	1.2	4.5	1.7	90	14067.7

No.	Frame reference and size	Full load current at rated voltage			Rated Power		Full load speed in revolutions per minute	Efficiency	Power Factor	Direct online starting torque ratio	Direct online starting torque ratio	Direct online pull out torque ratio	Mean sound pressure level @1m on no load	Rotor inertia WK ²
		Amps (A)			Power		Speed	EFF.	P. F.	LRT	LRA	BDT	Noise	J
		380V	440V	415V	kW	HP	r/min	%	CosΦ	RLT	RLA	RLT	LwdB(A)	kg · m ² · 10 ³
1	WEC - 112M1 - 16	1.52	1.44	1.39	0.25	0.34	310	48	0.47	0.9	2.5	1.6	61	28.5
2	WEC - 112M2 - 16	2.34	2.22	2.14	0.37	0.5	315	48.5	0.47	0.9	2.5	1.6	64	36.6
3	WEC - 132M - 16	3.2	3	2.9	0.55	0.75	330	54	0.48	0.9	2.7	1.6	64	46
4	WEC - 160M1 - 16	3.8	3.6	3.4	0.8	1	340	62	0.48	0.9	2.8	1.6	68	87.7
5	WEC - 160M2 - 16	5.4	5.1	4.9	1.1	1.5	345	64	0.48	0.9	2.8	1.6	68	108.4
6	WEC - 160L - 16	7.1	6.7	8.5	1.5	2	345	66	0.48	0.9	2.8	1.6	70	146.7
7	WEC - 180M - 16	9.4	8.9	8.6	2.2	3	350	71.5	0.49	0.9	3.2	1.6	70	236.4
8	WEC - 180L - 16	12.8	12.1	11.7	3	4	355	72	0.49	0.9	3.2	1.6	73	394.8
9	WEC - 200L1 - 16	16.4	15.6	15	4	5.5	355	74	0.5	0.9	3.2	1.6	73	571.8
10	WEC - 200L2 - 16	22.1	21	20.2	5.5	7.5	355	75	0.5	0.9	3.2	1.6	73	637
11	WEC - 225S - 16	28.4	26.9	26	7.5	10	360	78	0.51	0.9	3.5	1.6	73	971.2
12	WEC - 250M - 16	39.4	37.4	35.7	11	15	360	80	0.53	0.9	3.5	1.6	76	1921.5
13	WEC - 280M - 16	49.8	47.3	45.6	15	20	360	82	0.55	1	3.5	1.6	76	2247.5
14	WEC - 315S - 16	57.6	54.7	52.7	18.5	25	365	86	0.56	1	3.5	1.6	76	5578.1
15	WEC - 315M - 16	68.1	64.6	62.3	22	30	365	87	0.56	1	3.5	1.6	82	6498.1
16	WEC - 315L1 - 16	91.7	87.1	83.9	30	40	365	88	0.56	1	3.5	1.6	82	7418.1
17	WEC - 315L2 - 16	112	106	102	38	50	365	88	0.56	1	3.5	1.6	82	8419.5

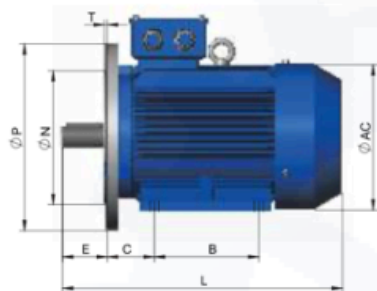
MOUNTING DATA FOR WEC



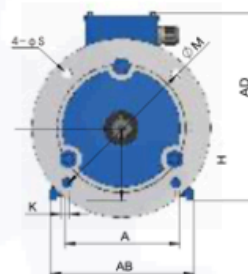
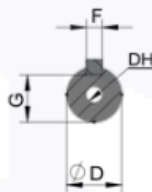
Frame with feet and end-shield without flange(IM B3)

FRAME SIZE	POLES	A	A/2	B	C	D	E	F	G	H	K	AB	AC	AD	HD	L	DH*
80M	2 4 6 8	125	62.5	100	50	19	40	6	15.5	80	10	165	155	145	220	295	M6X16
90S	2 4 6 8	140	70	100	56	24	50	8	20	90	10	180	175	155	250	320	M8X19
90L	2 4 6 8	140	70	125	56	24	50	8	20	90	10	180	175	155	250	345	M8X19
100L	2 4 6 8	160	80	140	63	28	60	8	24	100	12	205	196	180	270	385	M10X22
112M	2 4 6 8	190	95	140	70	28	60	8	24	112	12	230	220	190	300	400	M10X22
132S	2 4 6 8	216	108	140	89	38	80	10	33	132	12	270	259	210	345	470	M12X28
132M	2 4 6 8	216	108	178	89	38	80	10	33	132	12	270	259	210	345	510	M12X28
160M	2 4 6 8	254	127	210	108	42	110	12	37	160	15	320	315	255	420	615	M16X36
160L	2 4 6 8	254	127	254	108	42	110	12	37	160	15	320	315	255	420	660	M16X36
180M	2 4 6 8	279	139.5	241	121	48	110	14	42.5	180	15	355	355	280	455	700	M16X36
180L	2 4 6 8	279	139.5	279	121	48	110	14	42.5	180	15	355	355	280	455	740	M16X36
200L	2 4 6 8	318	159	305	133	55	110	16	49	200	19	395	397	305	505	770	M20X42
225S	4 8	356	178	286	149	60	140	18	53	225	19	435	445	335	560	815	M20X42
225M	2	356	178	311	149	55	110	16	49	225	19	435	445	335	560	820	M20X42
	4 6 8	356	178	311	149	60	140	18	53	225	19	435	445	335	560	845	M20X42
250M	2	406	203	349	168	60	140	18	53	250	24	490	485	370	615	920	M20X42
	4 6 8	406	203	349	168	65	140	18	58	250	24	490	485	370	615	920	M20X42
280S	2	457	228.5	368	190	65	140	18	58	280	24	550	547	410	680	995	M20X42
	4 6 8	457	228.5	368	190	75	140	20	67.5	280	24	550	547	410	680	995	M20X42
280M	2	457	228.5	419	190	65	140	18	58	280	24	550	547	410	680	1045	M20X42
	4 6 8	457	228.5	419	190	75	140	20	67.5	280	24	550	547	410	680	1045	M20X42
315S	2	508	254	406	216	65	140	18	58	315	28	635	620	530	845	1185	M20X42
	4 6 8 10	508	254	406	216	80	170	22	71	315	28	635	620	530	845	1220	M20X42
315M	2	508	254	457	216	65	140	18	58	315	28	635	620	530	845	1290	M20X42
	4 6 8 10	508	254	457	216	80	170	22	71	315	28	635	620	530	845	1325	M20X42
315L	2	508	254	508	216	65	140	18	58	315	28	635	620	530	845	1290	M20X42
	4 6 8 10	508	254	508	216	80	170	22	71	315	28	635	620	530	845	1325	M20X42
355M	2	610	305	560	254	75	140	20	67.5	355	28	730	698	655	1010	1500	M20X42
	4 6 8 10	610	305	560	254	95	170	25	86	355	28	730	698	655	1010	1530	M20X42
355L	2	610	305	630	254	75	140	20	67.5	355	28	730	698	655	1010	1500	M20X42
	4 6 8 10	610	305	630	254	95	170	25	86	355	28	730	698	655	1010	1530	M20X42

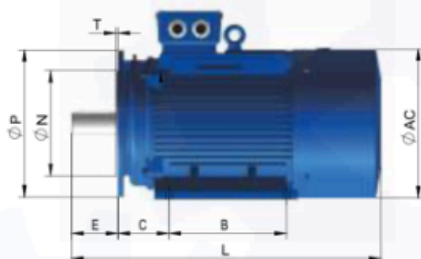
MOUNTING DATA FOR WEC



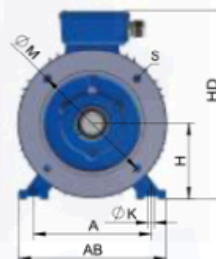
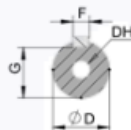
80-132



80-132



160-355

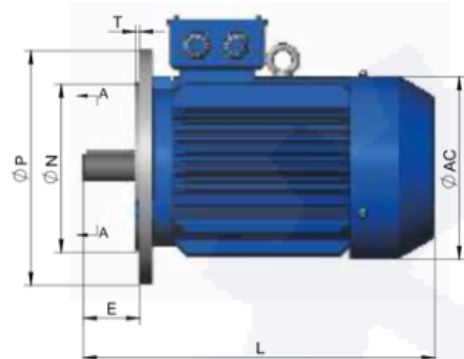


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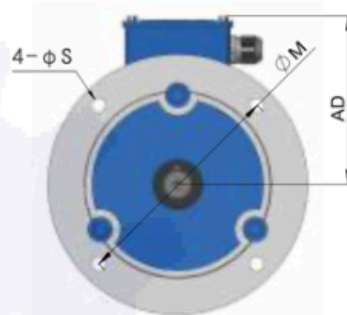
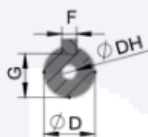
FRAME WITH FEET AND END-SHIELD WITH FLANGE(IM B35)

FRAME SIZE	POLES	A	A/2	B	C	D	E	F	G	H	K	M	N	P	S	T	FLANGE HOLES	AB	AC	AD	HD	L	DH*	
80M	2	468	125	62.5	100	50	19	40	6	15.5	80	10	165	130	200	12	3.5	4	165	155	145	220	295	M6X16
90S	2	468	140	70	100	56	24	50	8	20	90	10	165	130	200	12	3.5	4	180	175	155	250	320	M8X19
90L	2	468	140	70	125	56	24	50	8	20	90	10	165	130	200	12	3.5	4	180	175	155	250	345	M8X19
100L	2	468	160	80	140	63	28	60	8	24	100	12	215	180	250	15	4	4	205	196	180	270	385	M10X22
112M	2	468	190	95	140	70	28	60	8	24	112	12	215	180	250	15	4	4	230	220	190	300	400	M10X22
132S	2	468	216	108	140	89	38	80	10	33	132	12	265	230	300	14.5	4	4	270	259	210	345	470	M12X28
132M	2	468	216	108	178	89	38	80	10	33	132	12	265	230	300	14.5	4	4	270	259	210	345	510	M12X28
160M	2	468	254	127	210	108	42	110	12	37	160	15	300	250	350	19	5	4	320	315	255	420	615	M16X36
160L	2	468	254	127	254	108	42	110	12	37	160	15	300	250	350	1	5	4	320	315	255	420	660	M16X36
180M	2	468	279	139.5	241	121	48	110	14	42.5	180	15	300	250	350	19	5	4	355	355	280	455	700	M16X36
180L	2	468	279	139.5	279	121	48	110	14	42.5	180	15	300	250	350	19	5	4	355	355	280	455	740	M16X36
200L	2	468	318	159	305	133	55	110	16	49	200	19	350	300	400	19	5	4	395	397	305	505	770	M20X42
225S	4	356	178	286	149	60	140	18	53	225	19	400	350	450	19	5	8	435	445	335	560	815	M20X42	
225M	2	356	178	311	149	55	110	16	49	225	19	400	350	450	19	5	8	435	445	335	560	520	M20X42	
250M	4	356	178	311	149	60	140	18	53	225	19	400	350	450	19	5	8	435	445	335	560	845	M20X42	
	2	406	203	349	168	60	140	18	523	250	24	500	450	550	19	5	8	490	485	370	615	920	M20X42	
280S	4	406	203	349	168	65	140	18	58	250	24	500	450	550	19	5	8	490	485	370	615	920	M20X42	
	2	457	228.5	358	190	65	140	18	58	280	24	500	450	550	19	5	8	550	547	410	680	995	M20X42	
280M	4	457	228.5	358	190	75	140	20	67.5	280	24	500	450	550	19	5	8	550	547	410	680	995	M20X42	
	2	457	228.5	419	190	65	140	18	58	280	24	500	450	550	19	5	8	550	547	410	680	1045	M20X42	
315S	4	457	228.5	419	190	75	140	20	67.5	280	24	500	450	550	19	5	8	550	547	410	680	1045	M20X42	
	2	508	254	406	216	65	140	18	58	315	28	600	550	660	24	6	8	635	620	530	845	1185	M20X42	
315M	4	508	254	406	216	80	170	22	71	315	28	600	550	660	24	6	8	635	620	530	845	1220	M20X42	
	2	508	254	457	216	65	140	18	58	315	28	600	550	660	24	6	8	635	620	530	845	1290	M20X42	
315L	4	508	254	457	216	80	170	22	71	315	28	600	550	660	24	6	8	635	620	530	845	1325	M20X42	
	2	508	254	508	216	65	140	18	58	315	28	600	550	660	24	6	8	635	620	530	845	1290	M20X42	
355M	4	508	254	508	216	80	170	22	71	315	28	600	550	660	24	6	8	635	620	530	845	1325	M20X42	
	2	610	305	560	254	75	140	20	67.5	355	28	740	680	800	24	6	8	730	698	655	1010	1500	M20X42	
355L	4	610	305	560	254	95	170	25	86	355	28	740	680	800	24	6	8	730	698	655	1010	1530	M20X42	
	2	610	305	630	254	75	140	20	67.5	355	28	740	680	800	24	6	8	730	698	655	1010	1500	M20X42	
	4	610	305	630	254	95	170	25	86	355	28	740	680	800	24	6	8	730	698	655	1010	1530	M20X42	

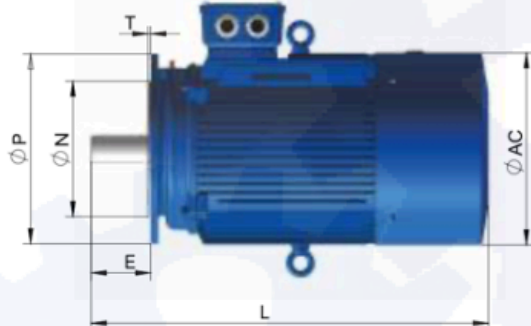
MOUNTING DATA FOR **WEC**



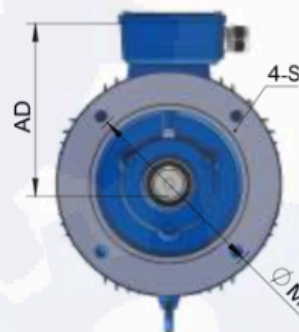
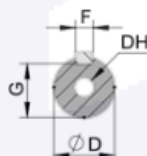
80-132



80-132



160-355



160-355

FRAME WITHOUT FEET AND END-SHIELD WITH FLANGE(IM B5)

FRAME SIZE	POLES	D	E	F	G	M	N	P	S	T	FLANGE HOLES	AC	AD	HF	L	DH*
80M	2 4 6 8	19	40	6	15.5	165	130	200	12	3.5	4	155	145	185	295	M6X16
90S	2 4 6 8	24	50	8	20	165	130	200	12	3.5	4	175	155	195	320	M8X19
90L	2 4 6 8	24	50	8	20	165	130	200	12	3.5	4	175	155	195	345	M8X19
100L	2 4 6 8	28	60	8	24	215	180	250	15	4	4	196	180	245	385	M10X22
112M	2 4 6 8	28	60	8	24	230	180	250	15	4	4	220	190	265	400	M10X22
132S	2 4 6 8	38	80	10	33	265	230	300	15	4	4	259	210	315	470	M12X28
132M	2 4 6 8	38	80	10	33	265	230	300	15	4	4	259	210	315	510	M12X28
160M	2 4 6 8	42	110	12	37	300	250	350	19	5	4	315	255	385	615	M16X36
160L	2 4 6 8	42	110	12	37	300	250	350	19	5	4	315	255	385	660	M16X36
180M	2 4 6 8	48	110	14	42.5	300	250	350	19	5	4	355	280	430	700	M16X36
180L	2 4 6 8	48	110	14	42.5	300	250	350	19	5	4	355	280	430	740	M16X36
200L	2 4 6 8	55	110	16	49	350	300	400	19	5	4	397	305	480	770	M20X42
225S	4 8	60	140	18	53	400	350	450	19	5	8	445	335	535	815	M20X42
225M	2	55	110	16	49	400	350	450	19	5	8	445	335	535	820	M20X42
	4 6 8	60	140	18	53	400	350	450	19	5	8	445	335	535	845	M20X42
250M	2	60	140	18	53	500	450	550	19	5	8	485	370	595	920	M20X42
	4 6 8	65	140	18	58	500	450	550	19	5	8	485	370	595	920	M20X42
280S	2	65	140	18	58	500	450	550	19	5	8	547	410	650	995	M20X42
	4 6 8	75	140	20	67.5	500	450	550	19	5	8	547	410	650	995	M20X42
280M	2	65	140	18	58	500	450	550	19	5	8	547	410	650	1045	M20X42
	4 6 8	75	140	20	67.5	500	450	550	19	5	8	547	410	650	1045	M20X42



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Б.П. СУКСЕС АНУГРАХ АБАДИ



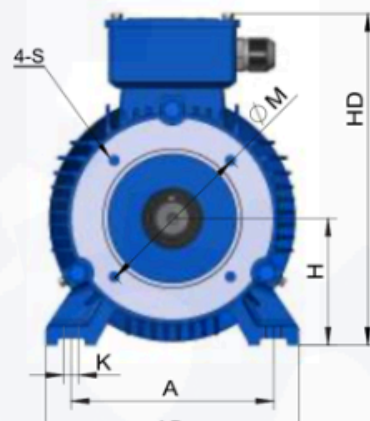
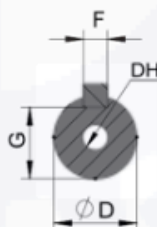
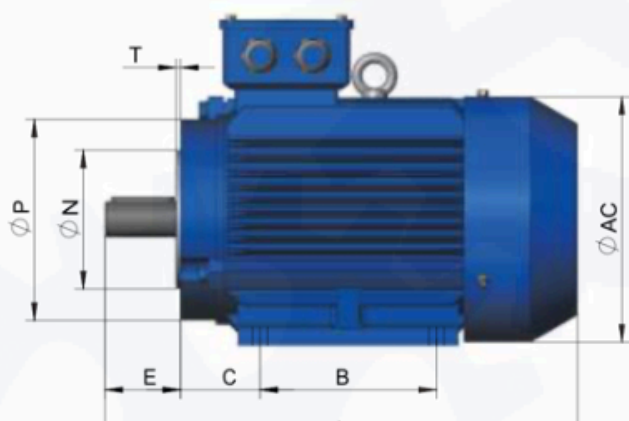
ISO 9001



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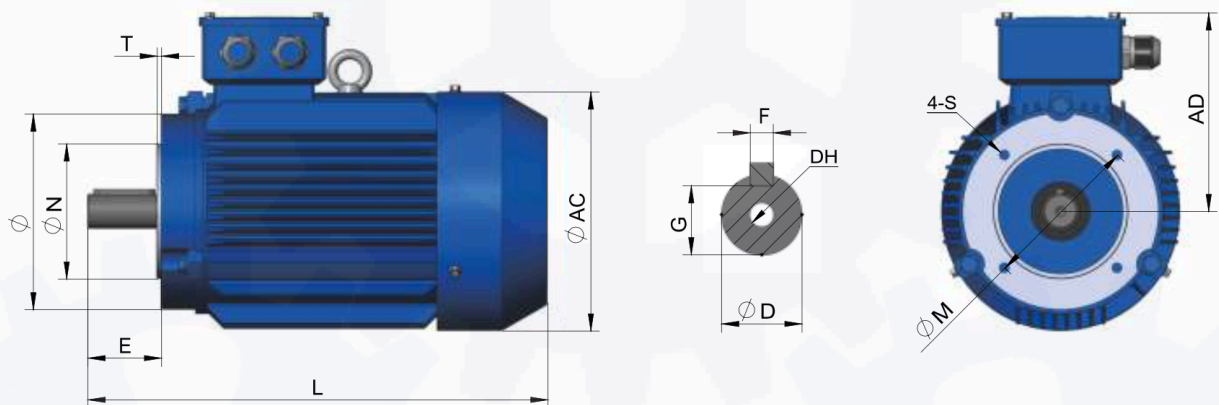


MOUNTING DATA FOR WEC



FRAME WITH FEET AND END-SHIELD WITH FLANGE (IM B34)

FRAME SIZE	POLES	A	A/2	B	C	D	E	F	G	H	K	M	N	P	R*	S	T	FLANGE HOLES	AB	AC	AD	HD	L
80	2 4 6 8	125	62.5	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3.0	4	165	155	145	214	295
90S	2 4 6 8	140	70	100	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	4	180	175	155	250	320
90L	2 4 6 8	140	70	125	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	4	180	175	155	250	345
100L	2 4 6 8	160	80	140	63	28	60	8	24	100	12	130	110	160	0	M8	3.5	4	205	196	180	270	385
112M	2 4 6 8	190	95	140	70	28	60	8	24	112	12	130	110	160	0	M8	4	4	230	220	190	300	400
132S	2 4 6 8	216	108	140	89	38	80	10	33	132	12	165	130	200	0	M10	4	4	270	259	210	345	470
132M	2 4 6 8	216	108	178	89	38	80	10	33	132	12	165	130	200	0	M10	4	4	270	259	210	345	510



MOUNTING DATA FOR

FRAME WITHOUT FEET AND END-SHIELD WITHOUT FLANGE (IM B14)

FRAME SIZE	POLES	D	E	F	G	M	N	P	R*	S	T	FLANGE HOLES	AC	AD	HF	L
80	2 4 6 8	19	40	6	15.5	100	80	120	0	M6	3.0	4	155	145	185	295
90S	2 4 6 8	24	50	8	20	115	95	140	0	M8	3.0	4	175	155	195	320
90L	2 4 6 8	24	50	8	20	115	95	140	0	M8	3.0	4	175	155	195	345
100L	2 4 6 8	28	60	8	24	130	110	160	0	M8	3.5	4	196	180	245	385
112M	2 4 6 8	28	60	8	24	130	110	160	0	M8	3.5	4	220	190	265	400
132S	2 4 6 8	38	80	10	33	165	130	200	0	M10	3.5	4	259	210	315	470
132M	2 4 6 8	38	80	10	33	165	130	200	0	M10	3.5	4	259	210	315	510

PT SUKSES ANUGRAH ABADI



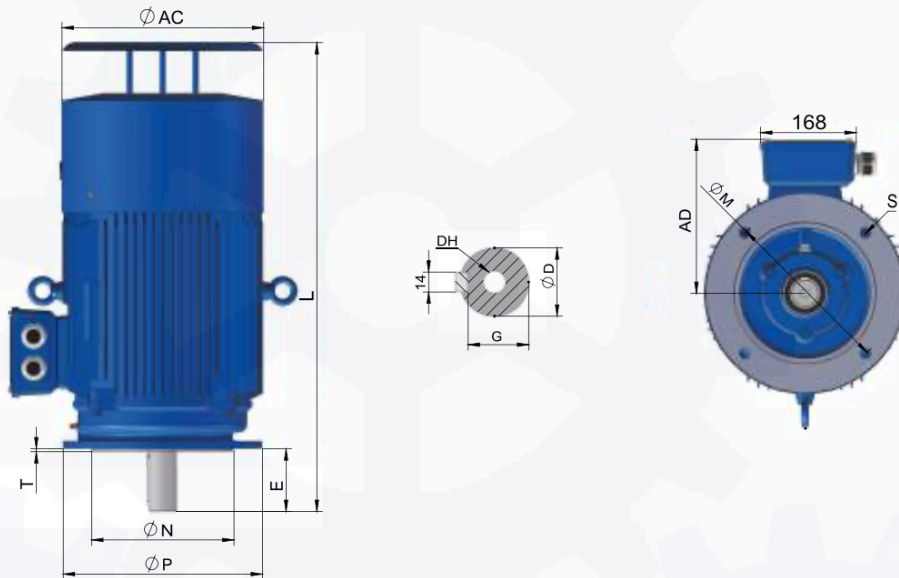
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ISO 9001 Authentication by EC CE

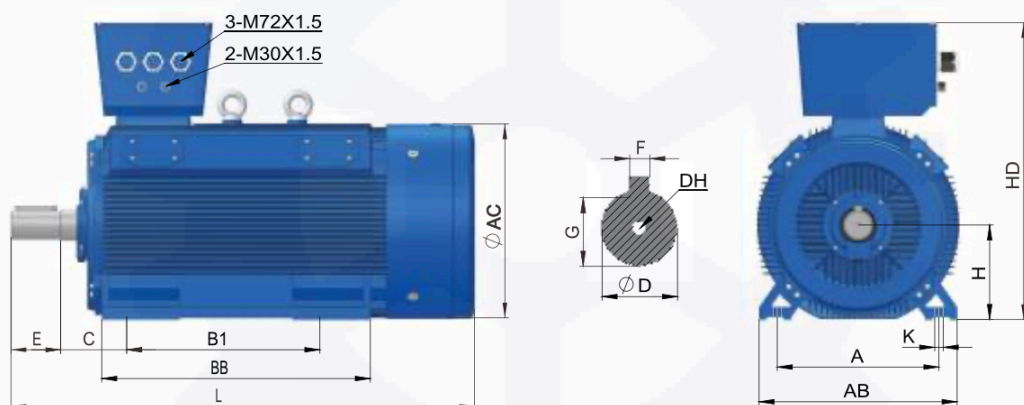
FRAME TYPE, FRAME WITHOUT FEET AND END SHIELD WITH FLANGE (WITH PLAIN HOLES) (IM V1)



FRAME SIZE	POLES	D	E	F	M	N	P	S	T	FLANGE HOLES	AC	AD	HF	L
160M	2 4 6 8	42	110	12	300	250	350	19	5	4	315	255	455	695
160L	2 4 6 8	42	110	12	300	250	350	19	5	4	315	255	455	740
180M	2 4 6 8	48	110	14	300	250	350	19	5	4	355	280	500	790
180L	2 4 6 8	48	110	14	300	250	350	19	5	4	355	280	500	830
200L	2 4 6 8	55	110	16	350	300	400	19	5	4	397	305	550	860
225S	4 8	60	140	18	400	350	450	19	5	8	445	335	610	905
225M	2	55	110	16	400	350	450	19	5	8	445	335	610	910
	4 6 8	60	140	18	400	350	450	19	5	8	445	335	610	935
250M	2	60	140	18	500	450	550	19	5	8	485	370	650	1015
	4 6 8	65	140	18	500	450	550	19	5	8	485	370	650	1015
280S	2	65	140	18	500	450	550	19	5	8	547	410	720	1110
	4 6 8	75	140	20	500	450	550	19	5	8	547	410	720	1110
280M	2	65	140	18	500	450	550	19	5	8	547	410	720	1150
	4 6 8	75	140	20	500	450	550	19	5	8	547	410	900	1150
315S	2	65	140	18	600	550	660	24	6	8	620	530	900	1280
	4 6 8 10	80	170	22	600	550	660	24	6	8	620	530	900	1310
315M	2	65	140	18	600	550	660	24	6	8	620	530	900	1380
	4 6 8 10	80	170	22	600	550	660	24	6	8	620	530	900	1430
315L	2	65	140	18	600	550	660	24	6	8	620	530	900	1380
	4 6 8 10	80	170	22	600	550	660	24	6	8	620	530	900	1430
355M	2	75	140	20	740	680	800	24	6	8	698	655	1010	1640
	4 6 8 10	95	170	25	740	680	800	24	6	8	698	655	1010	1670
355L	2	75	140	20	740	680	800	24	6	8	698	655	1010	1640
	4 6 8 10	95	170	25	740	680	800	24	6	8	698	655	1010	1670

IM B3 H400-450

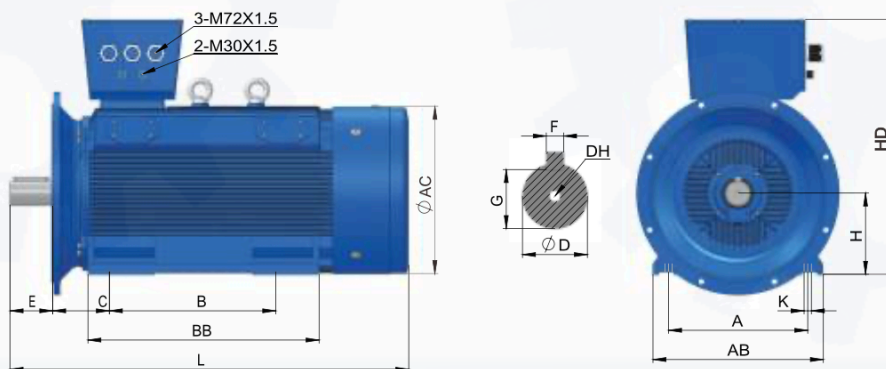
MOUNTING AND OVERALL DIMENSIONS OF IM B3 H400-450



Type	Mounting Dimensions										Overall Dimensions												
	Poles	A	AA	AB	AC	B1	BB	C	D	DH	E	F	G	H	HA	HD	K	L	AD	Eyeboit	X	Y	Z
400L	4								φ 110		210	28	100					1950					
400L	6, 8, 10	686	125	810	855	710	1090	280	φ 110	M24X54	210	28	100	400	30	1080	φ 36	1950	430	2xM36	430	540	225
450L	4								φ 130		210	32	119					2200					
450L	4, 6, 8, 10	800	190	1000	930	1000	1300	300	φ 140	M24X54	210	32	129	450	52	1380	φ 42	2200	480	2xM36	500	595	410

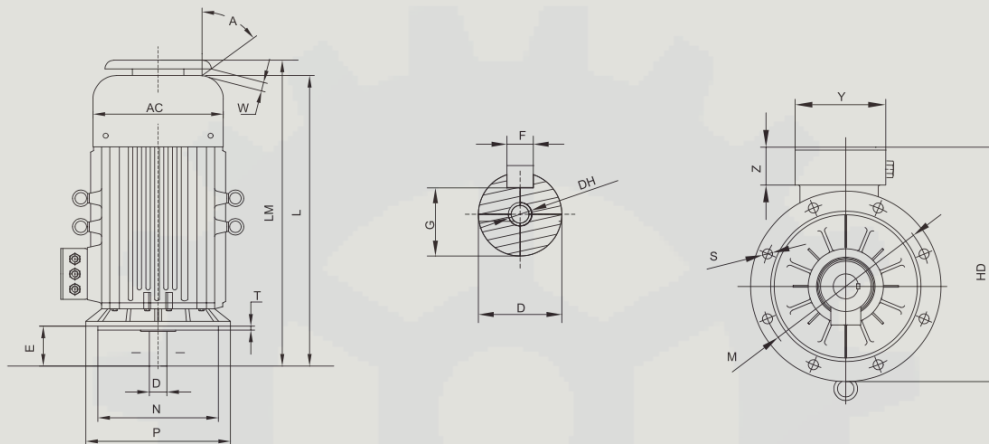
IM B35 H400-450

MOUNTING AND OVERALL DIMENSIONS OF IM B35 H400-450



Type	Mounting Dimensions															Overall Dimensions												
	Poles	A	AA	AB	AC	B1	BB	C	D	E	F	H	HA	HD	DH	K	L	M	N	P	S	T	Eyeboit	X	Y	Z		
400L	4								φ 110	210	28						1950											
400L	6/8/10	686	125	810	855	710	1090	280	φ 110	210	28	400	30	1080	M24X54	φ 36	1950	940	880	1000	8x φ 28	6	2xM36	430	540	225		
450L	4	800	190	1000	930	1000	1300	300	φ 130	210	32	450	52	1380		φ 42	2200	1080	1000	1150	8x φ 28	6	2xM36	500	595	410		
450L	6/8/10								φ 140	210	32				M24X54		2200											

IM V1 H400-450 MOUNTING AND OVERALL DIMENSIONS



Type	Mounting Dimensions										Overall Dimensions									
	Poles	AC	D	E	F	G	H	HD	DH	L	LM	M	N	P	S	T	Eyeboit	X	Y	Z
400L	4		φ 110	210	28	100				1925	2025									
400L	6、8、10	855	φ 120	210	28	100	400	1180	M24X54	1925	2025	940	880	1000	8xφ 28	6	4xM36	430	540	225
450L	4	930	φ 130	210	32	119	450	1380		2200	2300	1080	1000	1150	8xφ 28	6	4xM36	500	595	410
450L	6、8、10		φ 140	210	32	129			M24X54	2200	2300									

TECHNICAL DATA OF H400-450 SERIES

	Franme reference and size	Rated power	Full load current at rated voltage	Full load sreed in revolutions per minute	Efficiency	Power factor	Direct on ine starting torque ratio	Diect on line starting current ratio	Direct on line pull out torque ratio	Mean sound pressure level @1m on no load	Voltage
NO.	Type	Output kW	Amps A	Speed r/min	EFF. %	P.F. CosΦ	$\frac{LRT}{RLT}$	$\frac{LRA}{RLA}$	$\frac{BDT}{RLT}$	Noise LwdB(A)	V
1	400L1-4	450	792	1490	96.3	0.89	1.7	6.8	2.2	105	380
2	400L2-4	500	878	1490	96.3	0.89	1.7	6.8	2.2	105	380
3	400L3-4	560	978	1490	96.3	0.89	1.7	6.8	2.2	108	380